

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013019\
 Data File : BG039326.D
 Acq On : 30 Jan 2019 13:54
 Operator : JU/SJ
 Sample : K1282-34
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 17:18:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

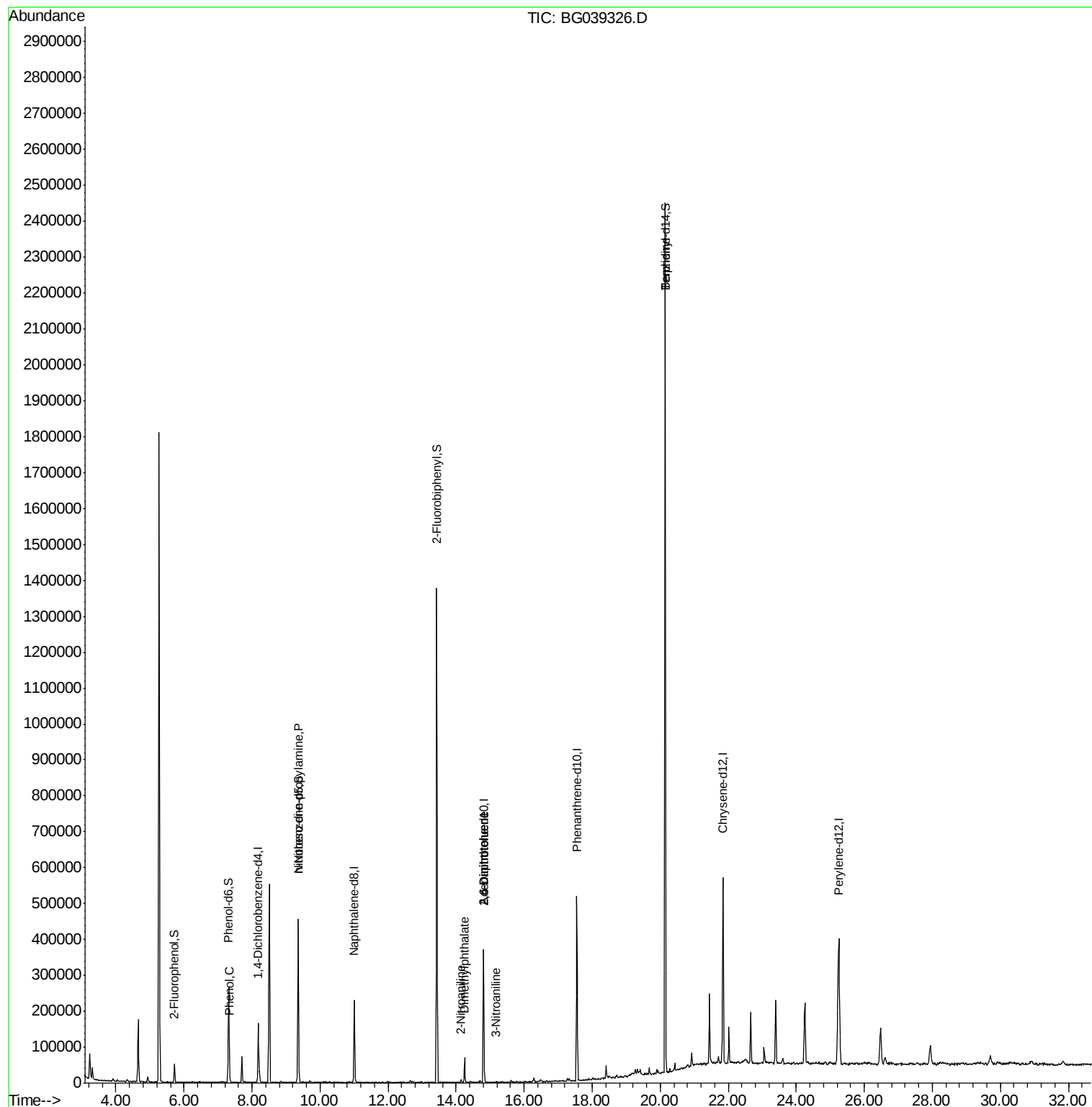
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	44170	20.00	ng	0.00
21) Naphthalene-d8	11.01	136	188671	20.00	ng	0.00
39) Acenaphthene-d10	14.81	164	123156	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	309093	20.00	ng	0.00
76) Chrysene-d12	21.84	240	308701	20.00	ng	0.00
87) Perylene-d12	25.24	264	318027	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	20925	8.11	ng	0.00
7) Phenol-d6	7.31	99	146656	38.61	ng	0.00
23) Nitrobenzene-d5	9.35	82	261441	86.57	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	2563	1.93	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	691042	80.49	ng	0.00
79) Terphenyl-d14	20.15	244	1113093	76.32	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	267	Below Cal	Qvalue	
10) Phenol	7.34	94	11060	2.793 ng	#	4
19) n-Nitroso-di-n-propylamine	9.35	70	33445	12.404 ng	#	78
48) 2-Nitroaniline	14.15	65	69	8.322 ng	#	10
50) Dimethylphthalate	14.25	163	45340	4.558 ng		97
51) 2,6-Dinitrotoluene	14.81	165	15855	13.923 ng	#	25
53) 3-Nitroaniline	15.16	138	59	5.819 ng	#	1
57) 2,4-Dinitrotoluene	14.81	165	15855	13.398 ng	#	20
77) Benzidine	20.15	184	20589	2.034 ng	#	89

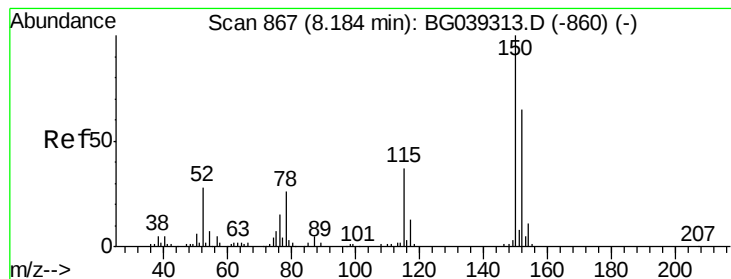
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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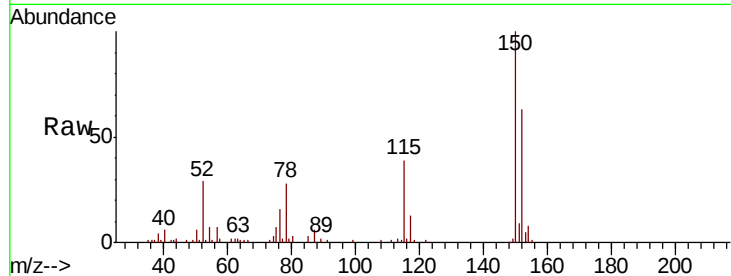


#1

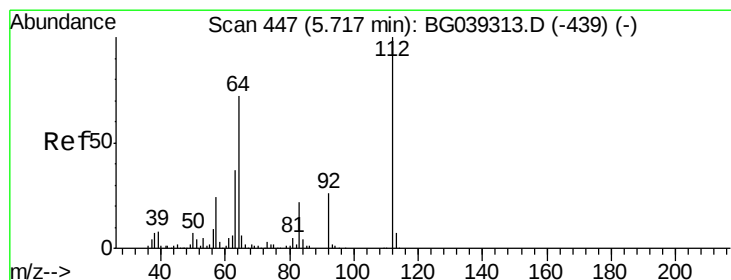
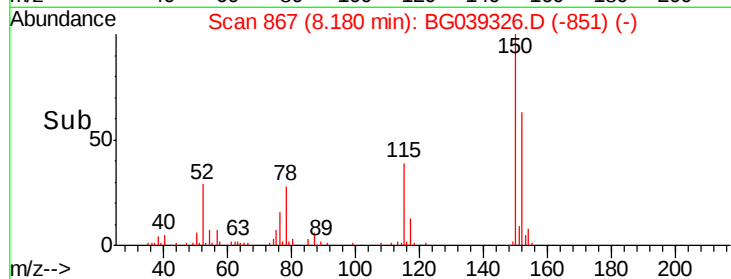
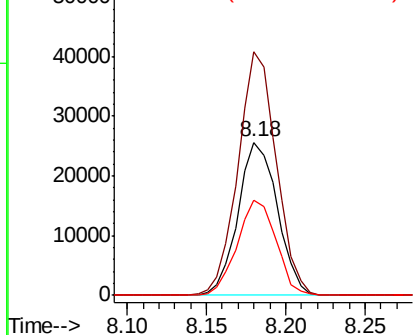
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	123.7	185.5
115	62.2	45.9	68.9



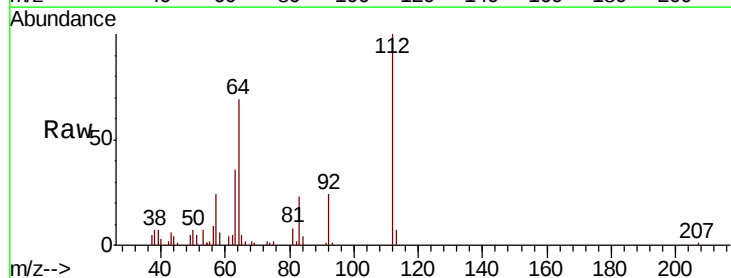
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



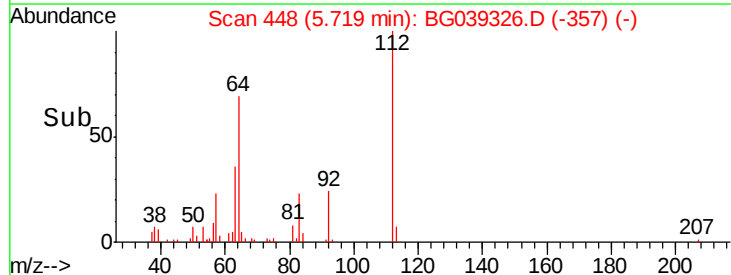
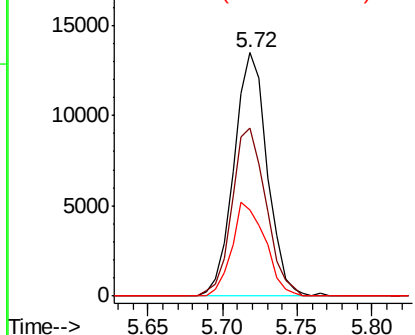
#5

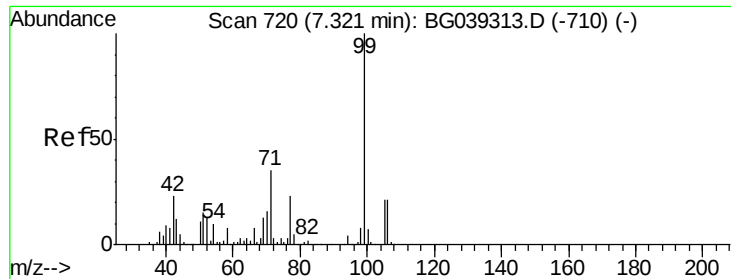
2-Fluorophenol
Concen: 8.108 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	57.8	86.8
63	35.5	29.8	44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 38.606 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039326.D

Acq: 30 Jan 2019 13:54

Instrument :

BNA_G

ClientSampleId :

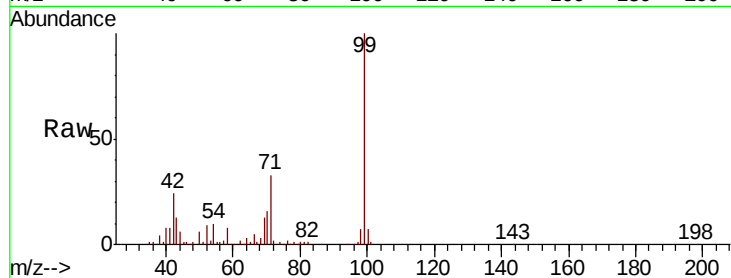
Tot Ion: 99 Resp: 146656

Ion Ratio Lower Upper

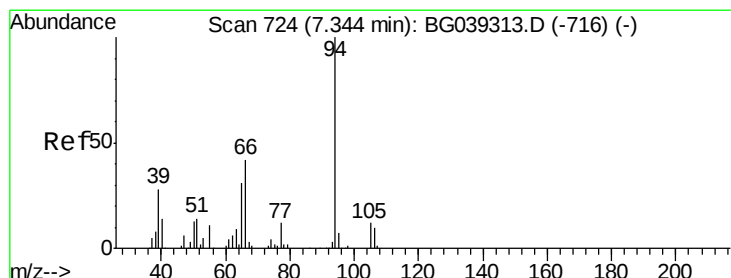
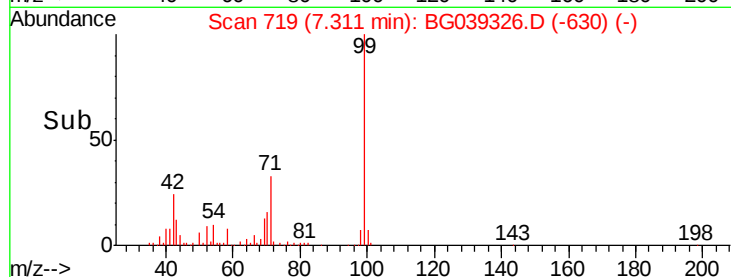
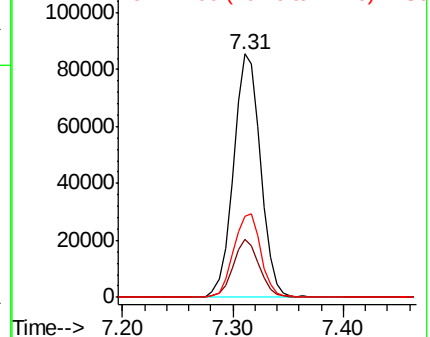
99 100

42 23.9 18.2 27.2

71 33.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.793 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039326.D

Acq: 30 Jan 2019 13:54

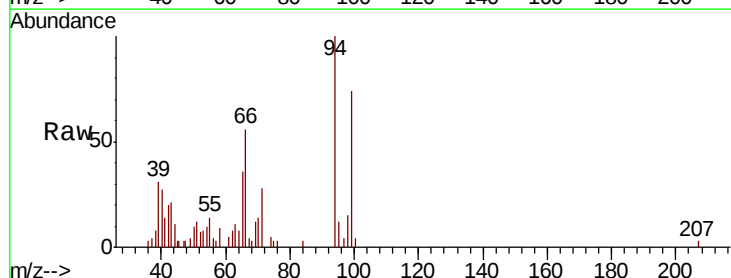
Tgt Ion: 94 Resp: 11060

Ion Ratio Lower Upper

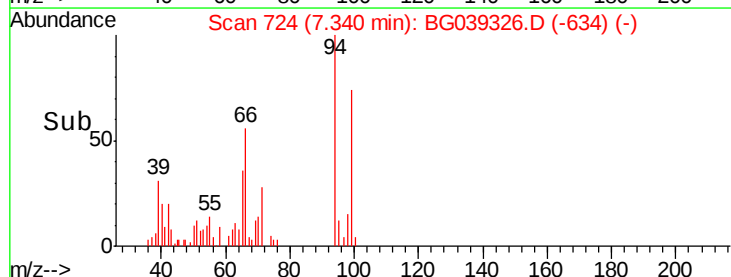
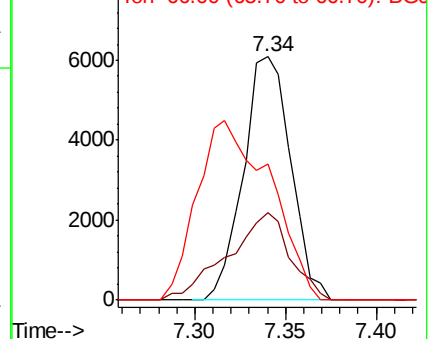
94 100

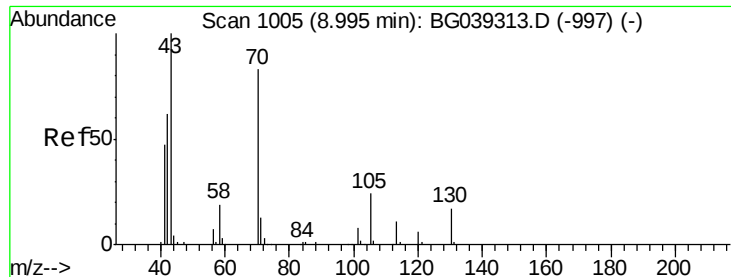
65 35.8 11.7 51.7

66 55.9 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

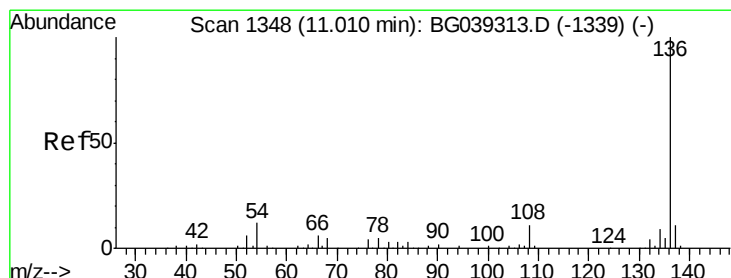
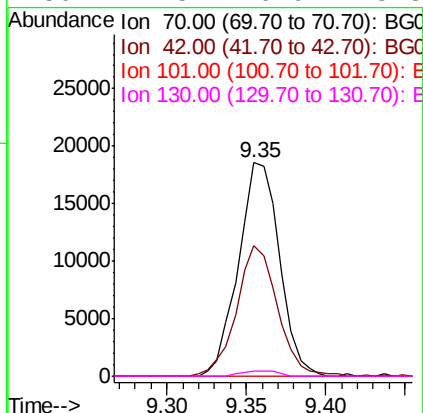
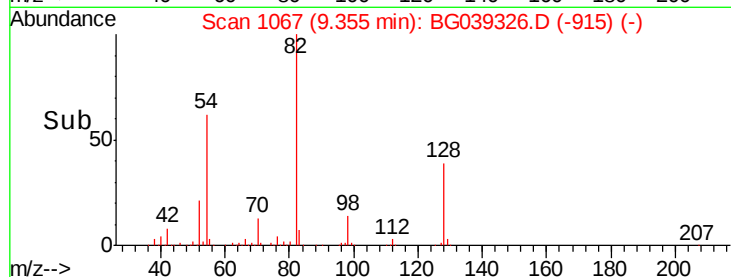
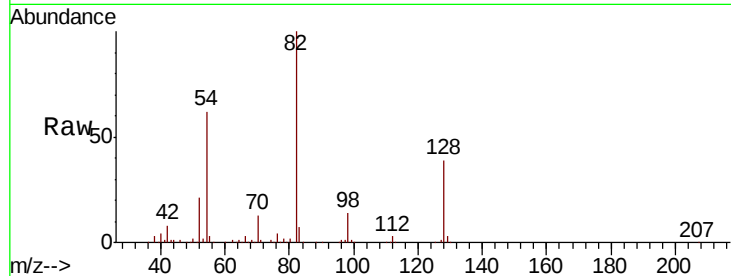




#19
n-Nitroso-di-n-propylamine
Concen: 12.404 ng
RT: 9.35 min Scan# 1067
Delta R.T. 0.36 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

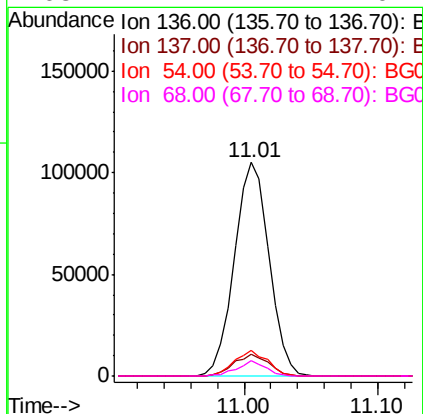
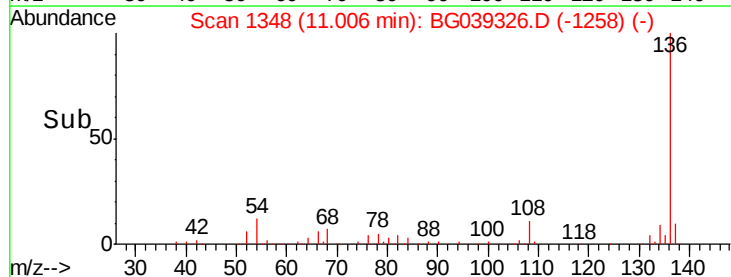
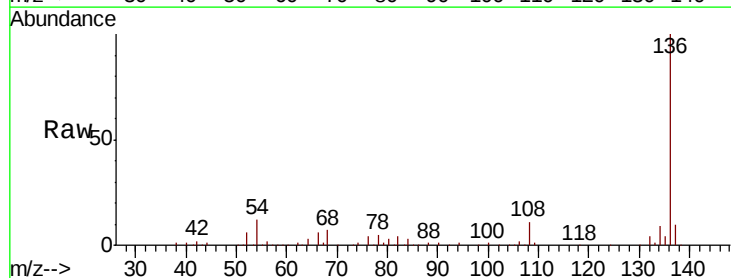
Instrument :
BNA_G
ClientSampleId :

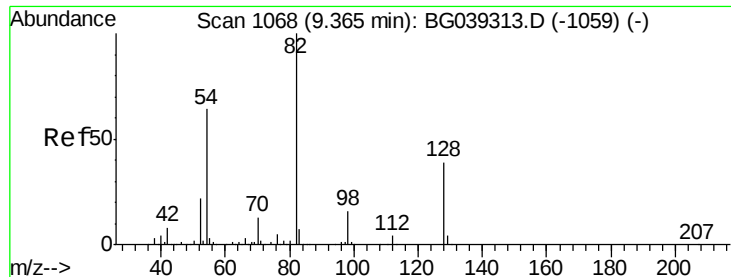
Tot Ion: 70 Resp: 33445
Ion Ratio Lower Upper
70 100
42 61.3 60.4 90.6
101 0.0 7.5 11.3#
130 2.5 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.01 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

Tgt Ion: 136 Resp: 188671
Ion Ratio Lower Upper
136 100
137 10.1 9.1 13.7
54 12.2 9.4 14.2
68 7.1 4.2 6.4#

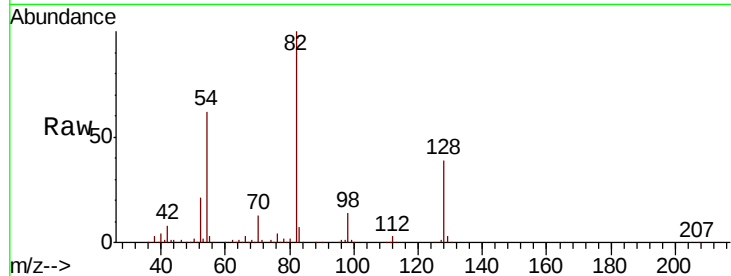




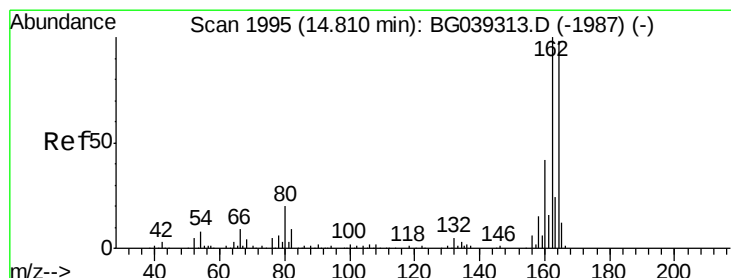
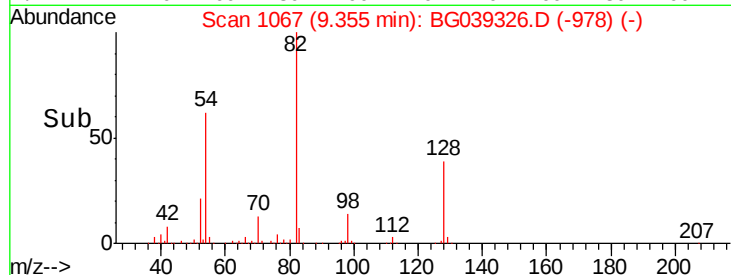
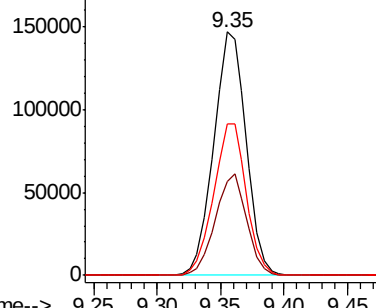
#23
Nitrobenzene-d5
Concen: 86.567 ng
RT: 9.35 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82.00	Resp	261441
Ion Ratio	Lower	Upper	
82	100		
128	38.8	31.3	46.9
54	62.1	50.9	76.3

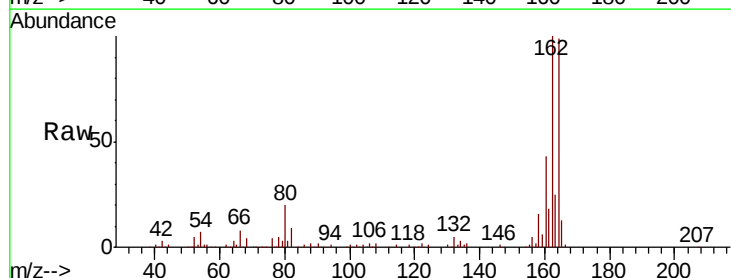


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

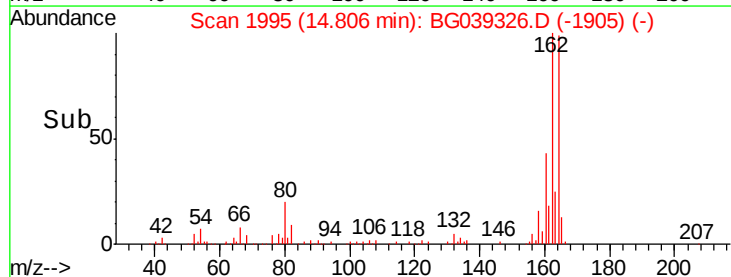
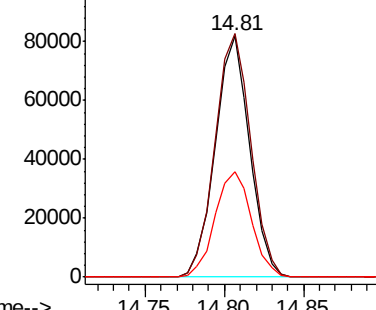


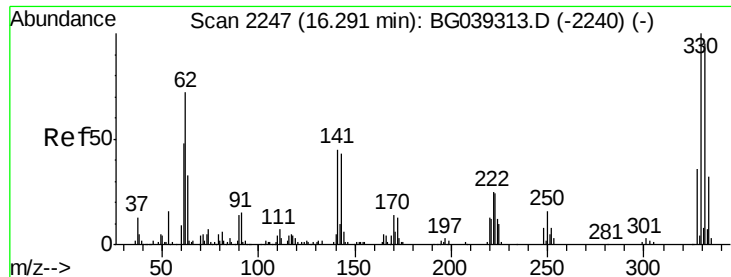
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

Tgt Ion	164	Resp	123156
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.6	122.4
160	43.5	34.2	51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

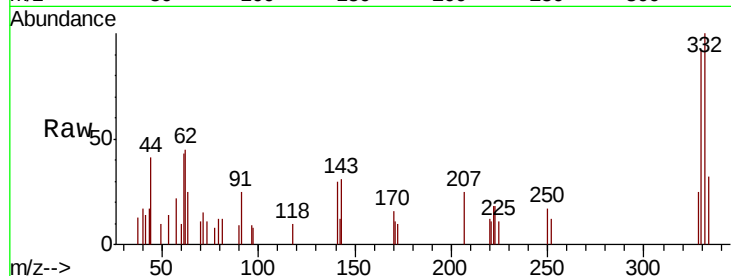




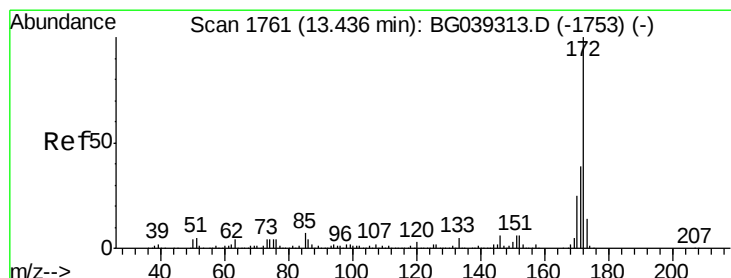
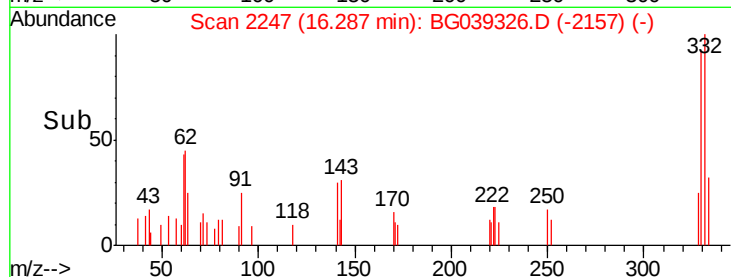
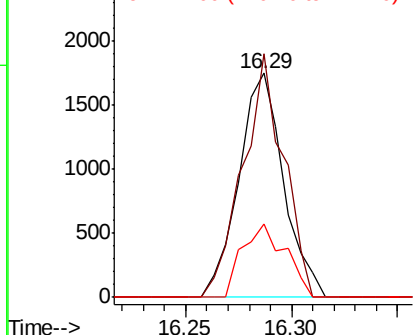
#42
 2,4,6-Tribromophenol
 Concen: 1.933 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.00 min
 Lab File: BG039326.D
 Acq: 30 Jan 2019 13:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 2563
 Ion Ratio Lower Upper
 330 100
 332 98.6 75.7 113.5
 141 31.2 35.6 53.4#

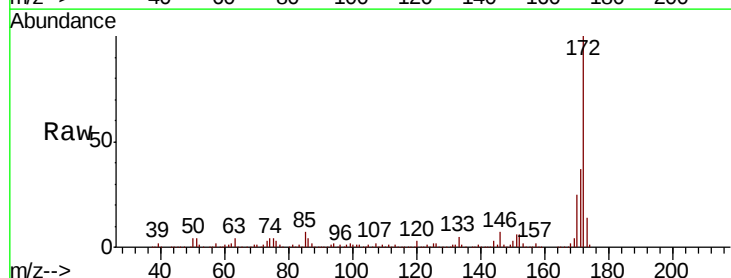


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

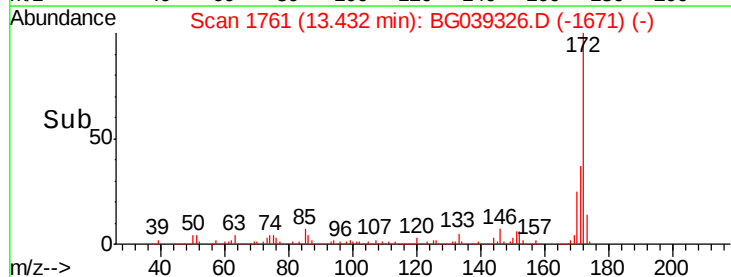
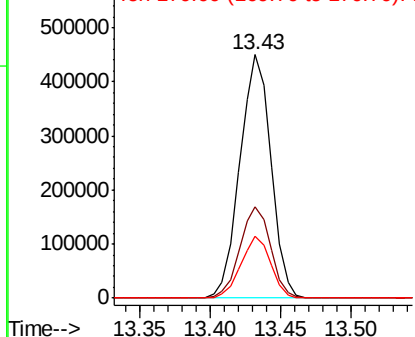


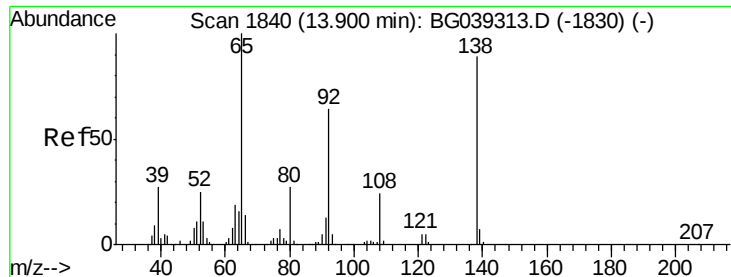
#45
 2-Fluorobiphenyl
 Concen: 80.494 ng
 RT: 13.43 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BG039326.D
 Acq: 30 Jan 2019 13:54

Tgt Ion:172 Resp: 691042
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.5 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.322 ng

RT: 14.15 min Scan# 1883

Delta R.T. 0.25 min

Lab File: BG039326.D

Acq: 30 Jan 2019 13:54

Instrument :

BNA_G

ClientSampled :

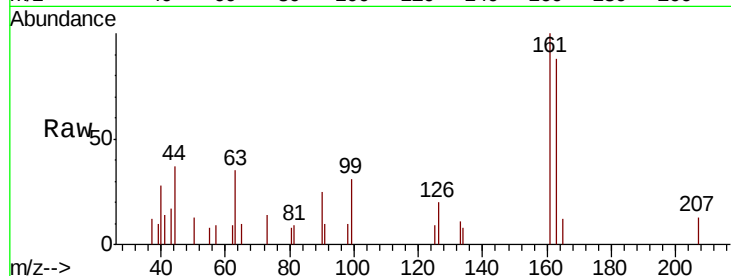
Tot Ion: 65 Resp: 69

Ion Ratio Lower Upper

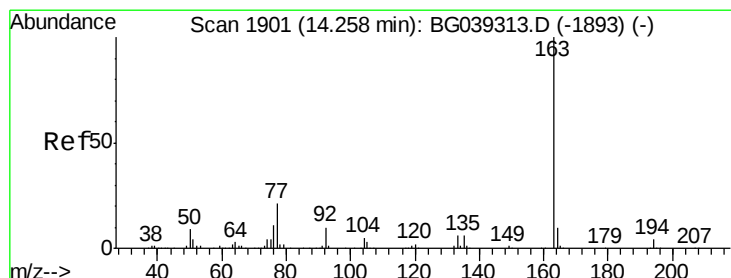
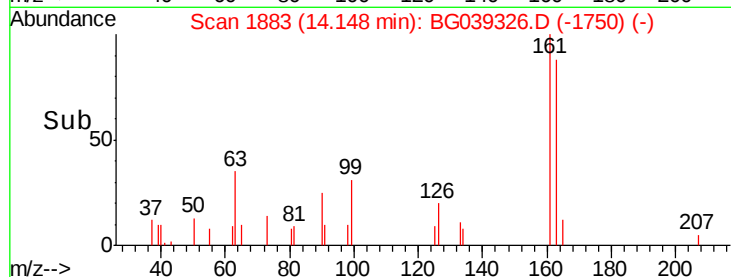
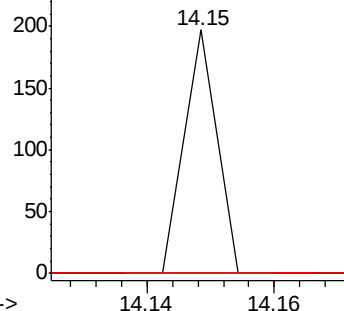
65 100

92 0.0 51.4 77.2#

138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 4.558 ng

RT: 14.25 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BG039326.D

Acq: 30 Jan 2019 13:54

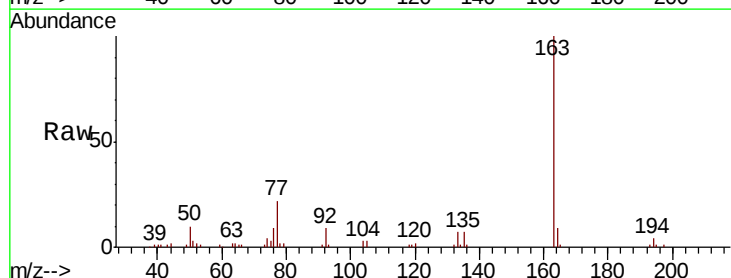
Tgt Ion: 163 Resp: 45340

Ion Ratio Lower Upper

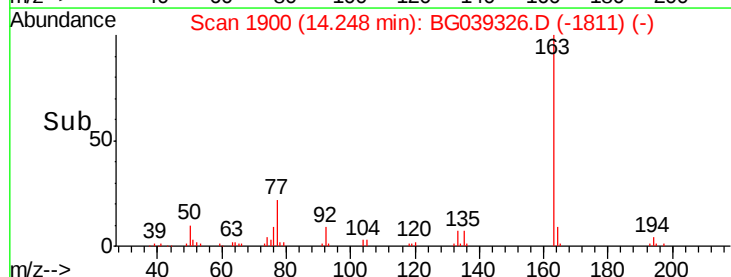
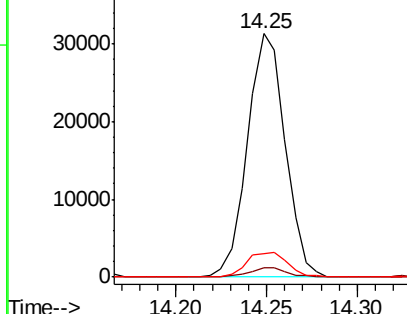
163 100

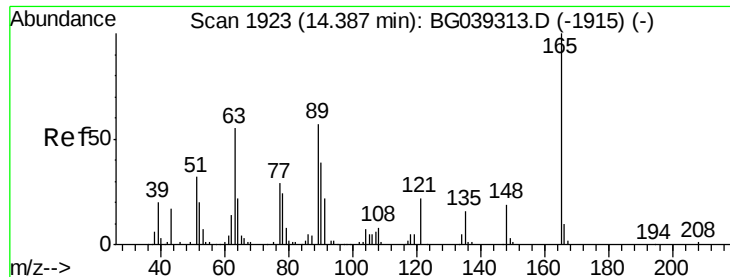
194 3.7 3.6 5.4

164 9.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC

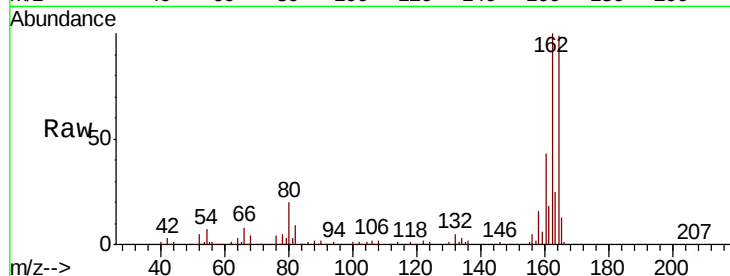




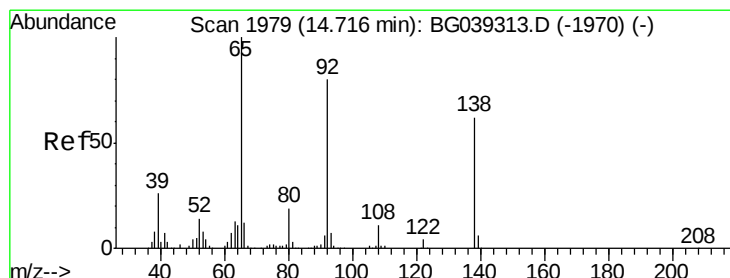
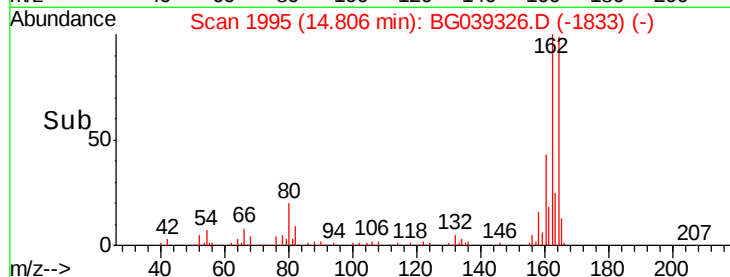
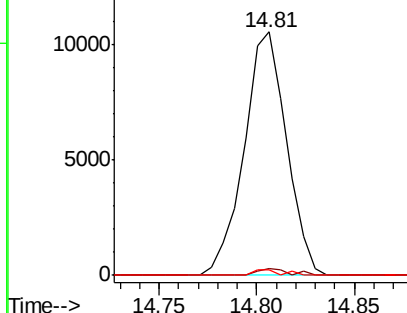
#51
 2,6-Dinitrotoluene
 Concen: 13.923 ng
 RT: 14.81 min Scan# 1995
 Delta R.T. 0.42 min
 Lab File: BG039326.D
 Acq: 30 Jan 2019 13:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.0	47.0	70.6#
89	2.1	45.8	68.8#

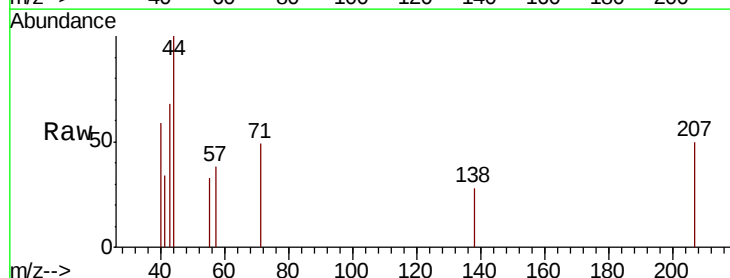


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

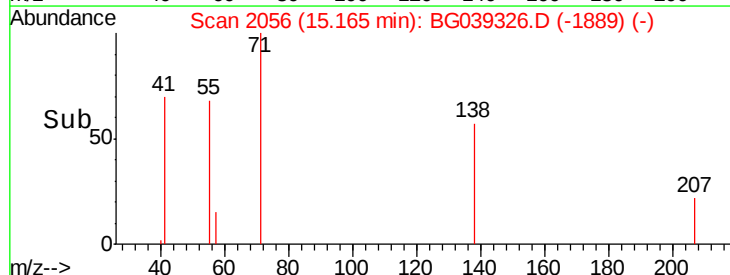
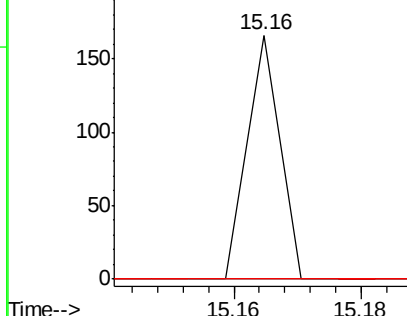


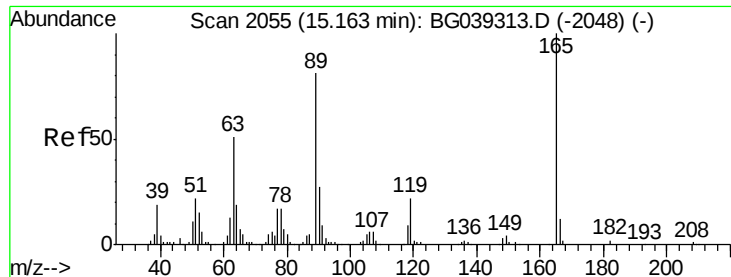
#53
 3-Nitroaniline
 Concen: 5.819 ng
 RT: 15.16 min Scan# 2056
 Delta R.T. 0.45 min
 Lab File: BG039326.D
 Acq: 30 Jan 2019 13:54

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BG

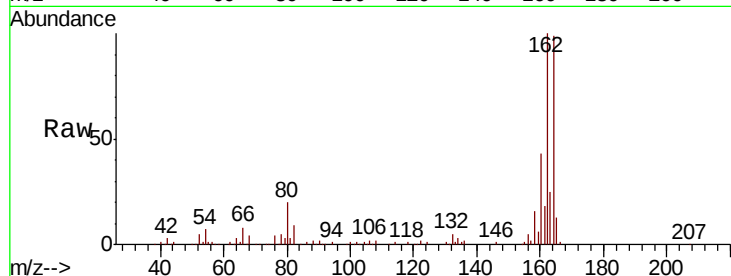




#57
 2,4-Dinitrotoluene
 Concen: 13.398 ng
 RT: 14.81 min Scan# 1995
 Delta R.T. -0.36 min
 Lab File: BG039326.D
 Acq: 30 Jan 2019 13:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.0	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#



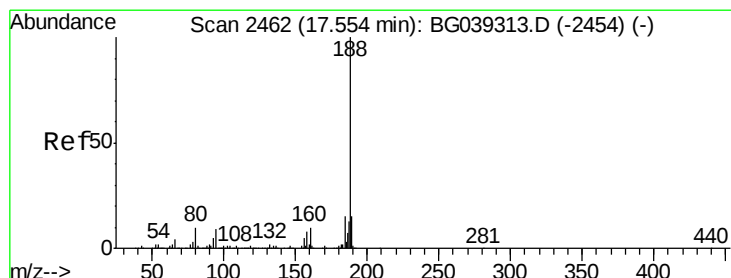
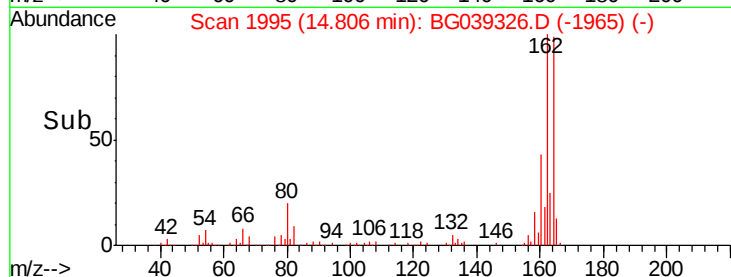
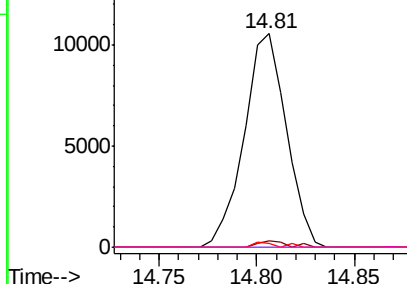
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

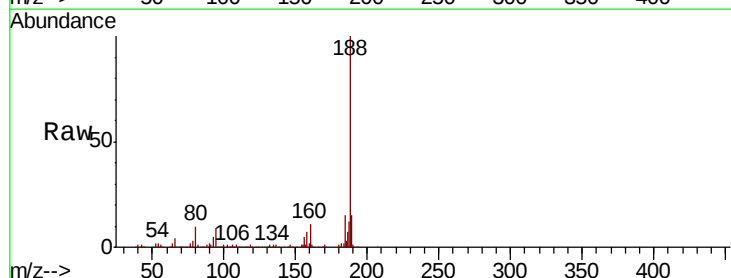
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.55 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: BG039326.D
 Acq: 30 Jan 2019 13:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.9	10.3
80	9.9	8.1	12.1

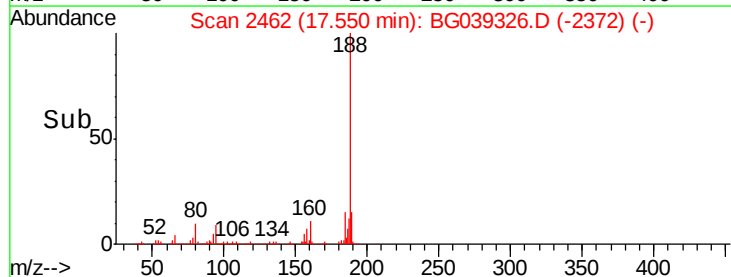
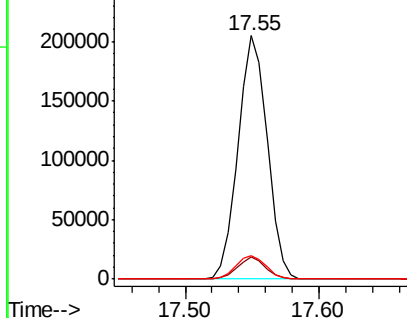


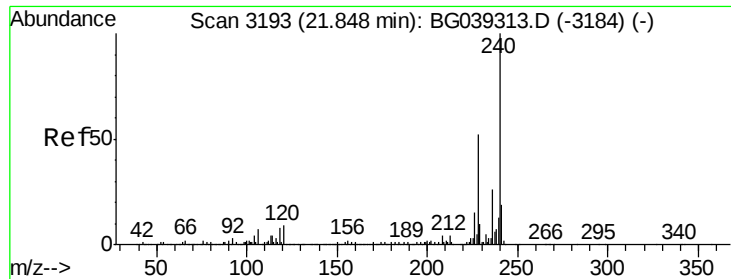
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

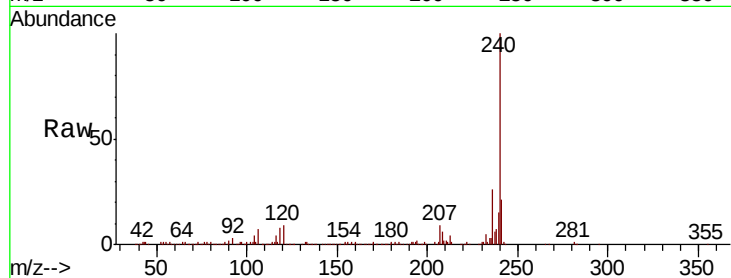




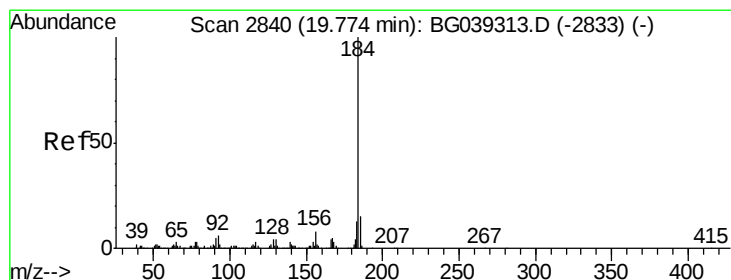
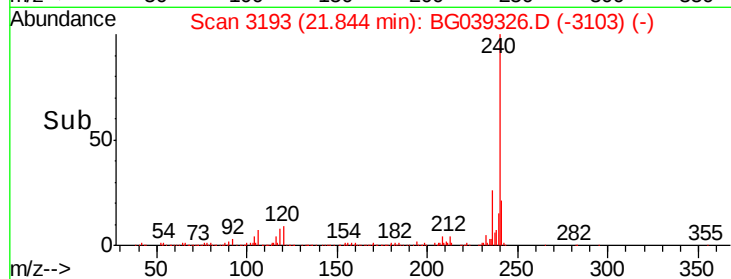
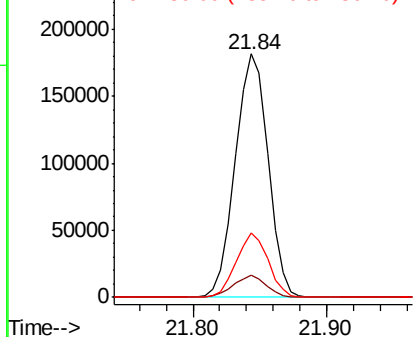
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3193
Delta R.T. -0.00 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 308701
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.3 21.0 31.4

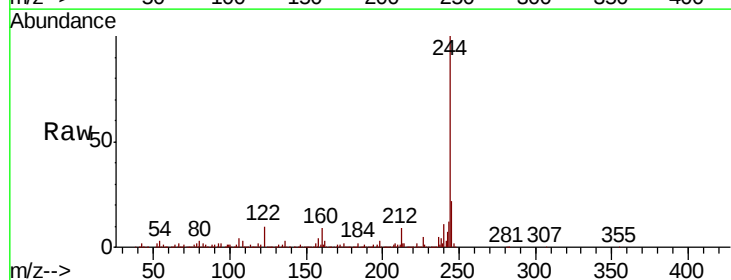


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

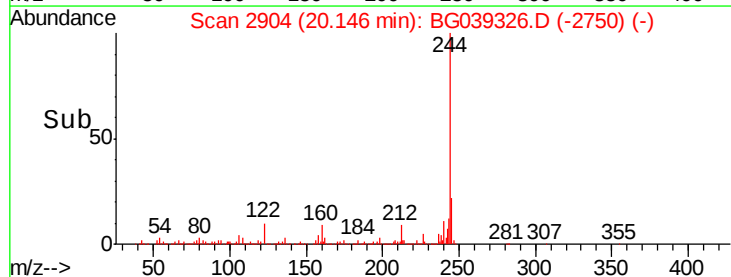
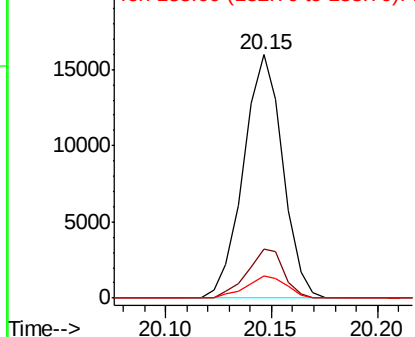


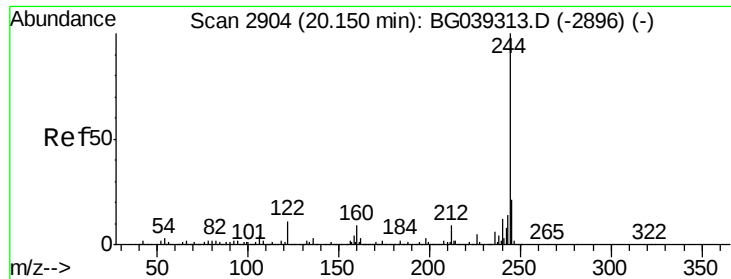
#77
Benzidine
Concen: 2.034 ng
RT: 20.15 min Scan# 2904
Delta R.T. 0.37 min
Lab File: BG039326.D
Acq: 30 Jan 2019 13:54

Tgt Ion:184 Resp: 20589
Ion Ratio Lower Upper
184 100
185 19.9 12.2 18.2#
183 9.2 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 76.322 ng

RT: 20.15 min Scan# 2904

Delta R.T. -0.00 min

Lab File: BG039326.D

Acq: 30 Jan 2019 13:54

Instrument :

BNA_G

ClientSampleId :

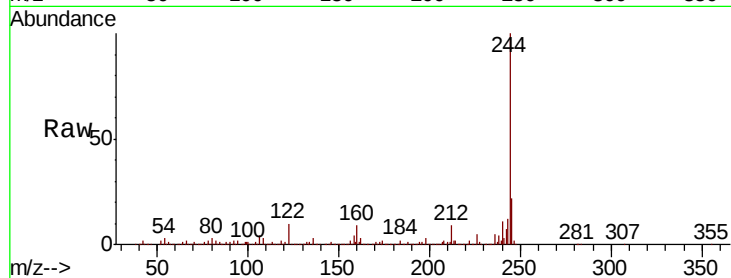
Tot Ion:244 Resp: 1113093

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

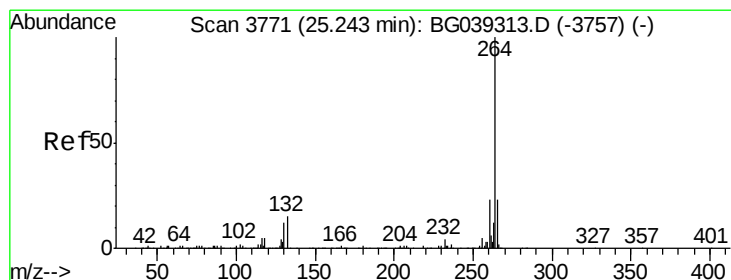
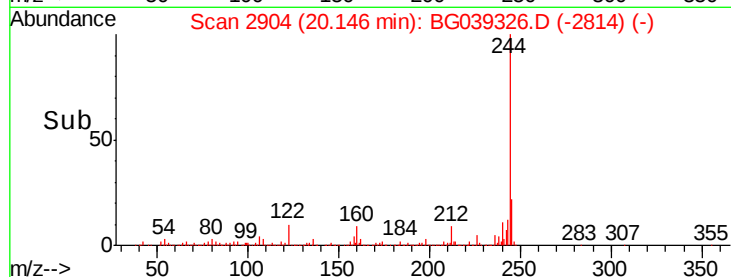
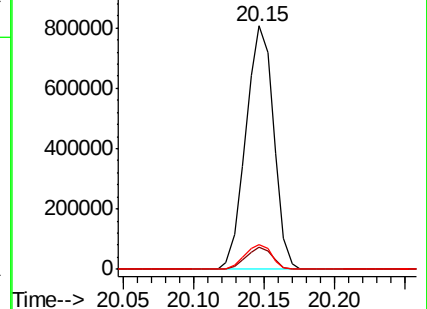
122 10.0 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.24 min Scan# 3771

Delta R.T. -0.00 min

Lab File: BG039326.D

Acq: 30 Jan 2019 13:54

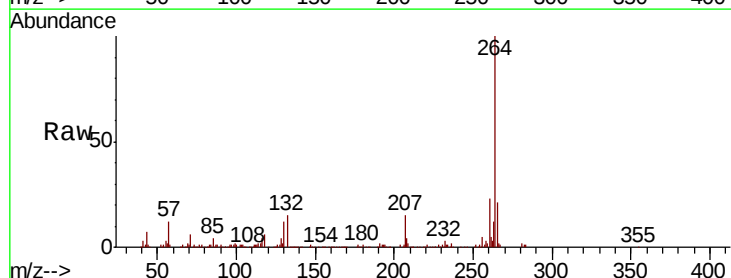
Tgt Ion:264 Resp: 318027

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 20.9 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

